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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/736,190	12/15/2000	Cord Wohltmann	31653-167278 RK	8459

26694 7590 10/12/2004

VENABLE, BAETJER, HOWARD AND CIVILETTI, LLP
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EXAMINER


CHOI, STEPHEN

ART UNIT	PAPER NUMBER
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3724

DATE MAILED: 10/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/736,190	WOHLTMANN, CORDI 	
	Examiner	Art Unit	
	Stephen Choi	3724	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 June 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 10-29 is/are pending in the application.
- 4a) Of the above claim(s) 11 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 19-25 is/are allowed.
- 6) ☒ Claim(s) 10,12-18 and 26-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 December 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 10, 12-13, 16, and 26-29 are rejected under 35 U.S.C. 102(b) as being anticipated by Harrington et al. (US 4,534,252).

Harrington discloses all the positively recited elements of the invention including:

- a) an unbalanced drive including an output member (Figure 1) rotatable about a first axis (A);
- b) a mobile ledger being reciprocal back and forth in and counter to a predetermined direction and receiving motion from the output member (1) wherein the ledger moving along an essentially linear path (6);
- c) an arrangement for compensating for the lack of balance of the drive including a first counterpoise (12) arranged to orbit about the first axis (A);
- d) a second counterpoise (12) arranged to orbit about a second axis (A) being spaced apart from the first axis;
- d) a crank mechanism having a crank arm including a first portion (at B) and a second portion (Figure 1);

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e) a shaft rotatable about the second axis and mounting the second counterpoise (10) and means for rotating the shaft in synchronism with the output member (at O).

Regarding claims 26-27, centers of gravity of the first and second counterpoises are disposed in an at least substantially vertical common plane. It is noted that any two points of the counterpoises can be disposed in a common plane. Regarding claim 28, two at least substantially tubular guides (2). Regarding claim 29, the drive has a single crank member (5).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 10 and 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Niemann (US 5,050,471) in view of Harrington et al. (US 4,534,252).

Niemann discloses the invention substantially as claimed except for an arrangement for compensating the lack of balance of a drive including a first counterpoise arranged to orbit about a first axis and a second counterpoise arranged to orbit about a second axis being spaced apart from the first axis. Harrington discloses an arrangement for compensating the lack of balance of a drive including a first counterpoise (12) arranged to orbit about a first axis (A) and a second counterpoise (12) arranged to orbit about a second axis (A) being spaced apart from the first axis. It

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would have been obvious to one having ordinary skill in the art at the time the invention was made to employ such an arrangement as taught by Harrington on the device of Niemann in order to compensate the lack of balance of the drive to prevent excessive vibrations of the apparatus.

5. Claims 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harrington et al. (US 4,534,252) in view of Trofimov et al. (US 3,915,041).

Harrington discloses the invention substantially as claimed except for an endless flexible torque transmitting element comprising a V-belt. Trofimov discloses a V-belt (42). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ an endless flexible torque transmitting element comprising a V-belt as taught by Trofimov on the device of Harrington in order to provide means for transmitting torque from the output member to the second counterpoise such that both counterpoises rotate in synchronism.

Allowable Subject Matter

6. Claims 19-25 are allowed.

Response to Arguments

7. Applicant's arguments filed 22 June 2004 have been fully considered but they are not persuasive.

Applicant contends that element 12 of Harrington rotates around the center O and does not rotate around the axis A.

The examiner respectfully disagrees. The axis A rotates about the axis O and the element 12 rotates about the axis O. A path of the axis A is within a path of the element

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12 which circles around the path of the axis A; thus, the element 12 orbits about the axis

A. Merriam Webster's Collegiate Dictionary 1200 (10th ed.) (definition *vi.*) orbit: to travel in circles.

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen Choi whose telephone number is 703-306-4523. The examiner can normally be reached on Monday-Friday 9:00-3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Allan Shoap can be reached on 703-308-2187. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SC
8 October 2004


STEPHEN CHOI
PRIMARY EXAMINER